



**Happy New Year from the Connecticut State Department of Education
Bureau of Teaching and Learning**

CSDE Updates

Common Core State Standards (CCSS)

The complete K-12 draft crosswalks are now available. Templates including the CCSS and related CT standards and assessments are also provided as Word documents for use by districts when examining existing curriculum. K-12 Overviews, which provide a summary of the critical areas for instructional focus, K-8 Domain Progressions and the power point presentation from the RESC Fall math council meetings are also available.

All districts should be working to support the implementation of the CCSS **K-12 Standards for Mathematical Practice** (pages 6-8) during the 2010-11 school year.

CCSS curriculum frames will be available in the spring of 2011. Teams of CT practitioners with expertise in K-12 mathematics and ELA content have been invited to partner in our work with Larry Ainsworth that will provide a frame for developing CCSS-based curriculum.

Algebra I Model Curriculum is currently in the first year of **field study**. CCSU has partnered with Education Development Corporation of Newtown, MA, and seven districts: Cheshire, Farmington, Griswold, Hartford, Middletown, New Britain and Norwich, to pilot the model curriculum with approximately 1000 eighth and ninth grade students. It is expected that a second cohort of districts will become involved in the field study during the 2011-12 school year. For more information contact S. Louise Gould at goulds@ccsu.edu.

Professional Development Opportunities

***The CT Council of Leaders of Mathematics invites you to a Winter Dinner Meeting:**

The Common Core Standards for Mathematics: A PRESENTATION AND ROUND TABLE DISCUSSION on Thursday, February 3, 2011 at 5:00 PM.

Differentiation for Middle and High School Math- April 7, 2011, at SERC in Middletown.

Presenter: Marianne Cavanaugh, CT Math Content Director-Project Opening Doors

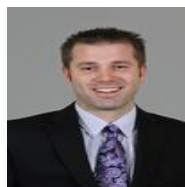
Online registration will be available beginning January 1, 2011. For more info and to register go to: www.ctserc.org

Grant Opportunities

Teacher Quality Partnership Grant. This program is designed to raise student achievement by supporting rigorous and relevant teacher professional development activities conducted by partnerships of Connecticut colleges and schools. The program is federally-authorized and funded; grants are awarded each year by the Department of Higher Education to successful proposals on a competitive basis.

Awards, Challenges and Scholarships

Each year the **Connecticut Chapter of the American Statistical Association** (ASA) sponsors a Poster Competition designed to promote mathematical literacy for K-12 students. For more information on the CT Poster Competition, please don't hesitate to contact Marianne.Messina@bms.com



Congratulations to Ed DePeau, CT 2009 Mathematics Presidential Awardee!

The Presidential Award for Excellence in Mathematics and Science Teaching (PAEMST) is awarded annually to the best pre-college-level science and mathematics teachers from across the country. The winners are selected by a panel of distinguished scientists, mathematicians, and educators following an initial selection process done at the state level.

Winners of this Presidential honor receive a \$10,000 award from the National Science Foundation to be used at their discretion. They also receive an expenses-paid trip to Washington, D.C. for an awards ceremony and several days of educational and celebratory events, including visits with members of Congress and science agency leaders.

This year nominations are open for teachers teaching 7th through 12th grades. For more information go to: www.paemst.org.

*Have you read the **article** by Dr. Shelbi Cole, CSDE consultant in the Bureau of Research, Evaluation and Student Assessment that was published in the NCTM November 2010 journal Teaching Children Mathematics?

Resources/Websites

Teachers' Domain is a free online digital library of more than 2,800 standards-correlated media resources designed for preK-16 classrooms.

Interested in discrete mathematics? Check out this fascinating [site](#) by a young mathematician, Vi Hart.

SAS® Curriculum Pathways® is fully funded by SAS and offered at no cost to US educators and students. SAS Curriculum Pathways is designed to enhance student achievement and teacher effectiveness by providing Web-based curriculum resources in [all the core disciplines](#): English, math, science, social studies/history and Spanish, to educators and students in grades 8-14. [Learn](#) how to get the top-rated online curriculum resource for free.

Thinking Blocks is an engaging, interactive math tool developed by classroom teachers to help students learn how to solve multistep word problems. (contributed by Dr. Harry Rosvally from Danbury)

What works Clearinghouse Rti resources for elementary and middle level:

- **[Screening and Progress Monitoring](#)**. Screen all students for potential math difficulties and monitor their progress.
- **[Math Content for Tier 2 and 3 Interventions](#)**. Focus math interventions on key topics: whole and rational numbers, word problems, and fact fluency.
- **[Intentional Teaching](#)**. Interventionists should provide explicit instruction with special attention to using visual representations.

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